OIPE JC17
OCT 15 2004
PATENT & TRADEMARK

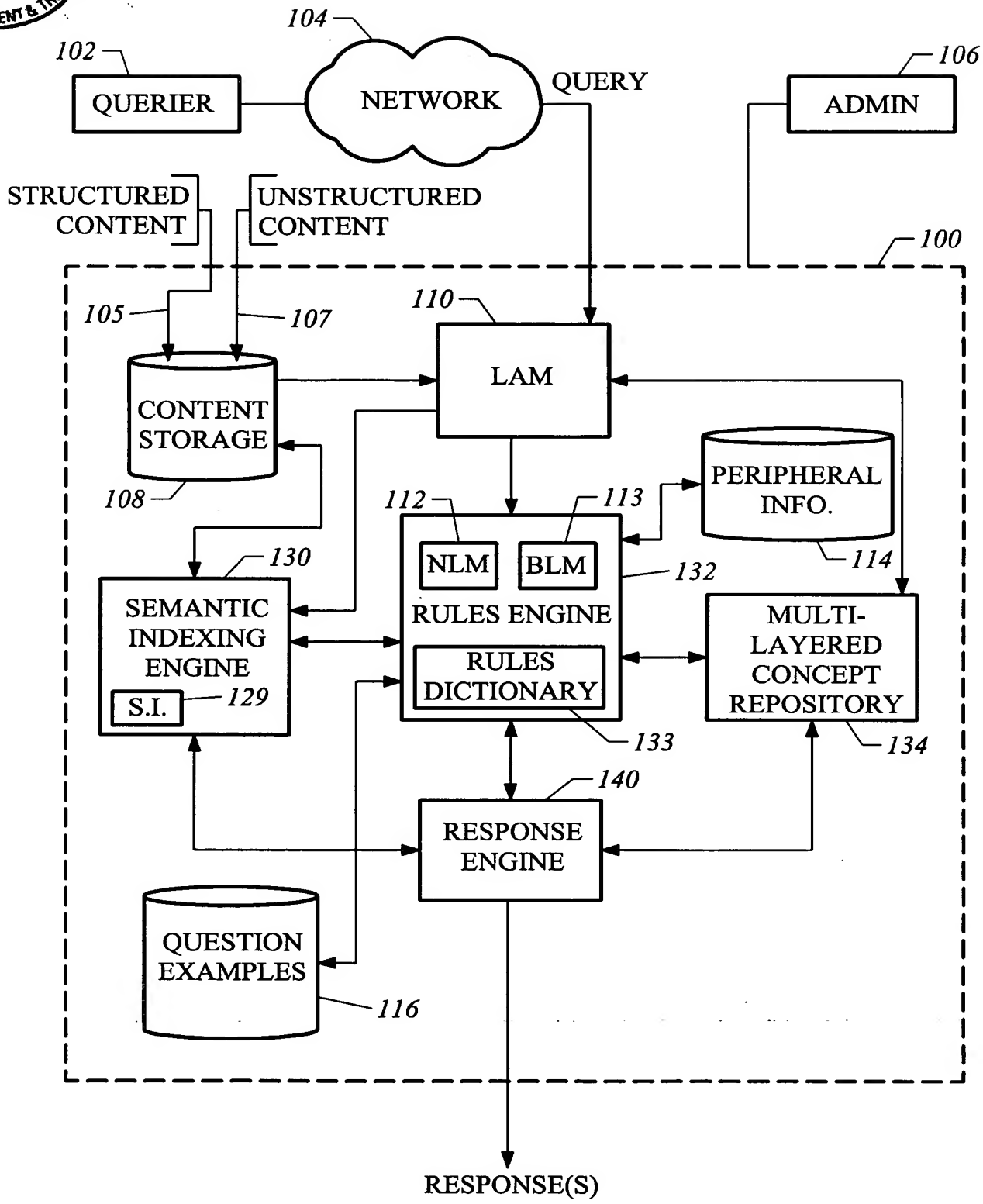

FIG. 1A

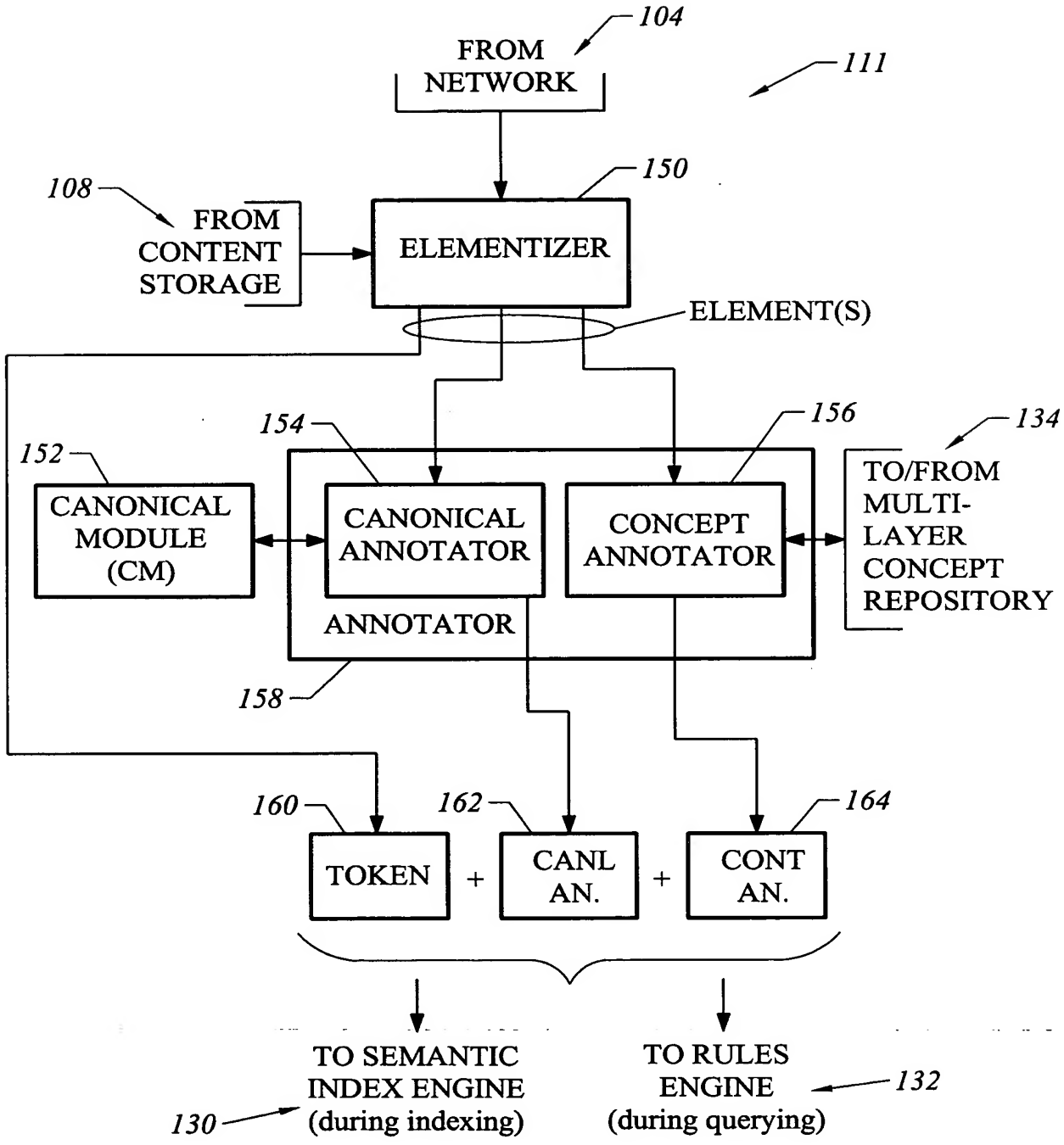
104
FROM NETWORK
111
150
108
FROM CONTENT STORAGE
ELEMENTIZER
ELEMENT(S)
154
156
134
152
CANONICAL MODULE (CM)
CANONICAL ANNOTATOR
CONCEPT ANNOTATOR
TO/FROM MULTI-LAYER CONCEPT REPOSITORY
ANNOTATOR
158
160
162
164
TOKEN
+
CANL AN.
+
CONT AN.
TO SEMANTIC INDEX ENGINE (during indexing)
130
TO RULES ENGINE (during querying)
132

FIG. 1B

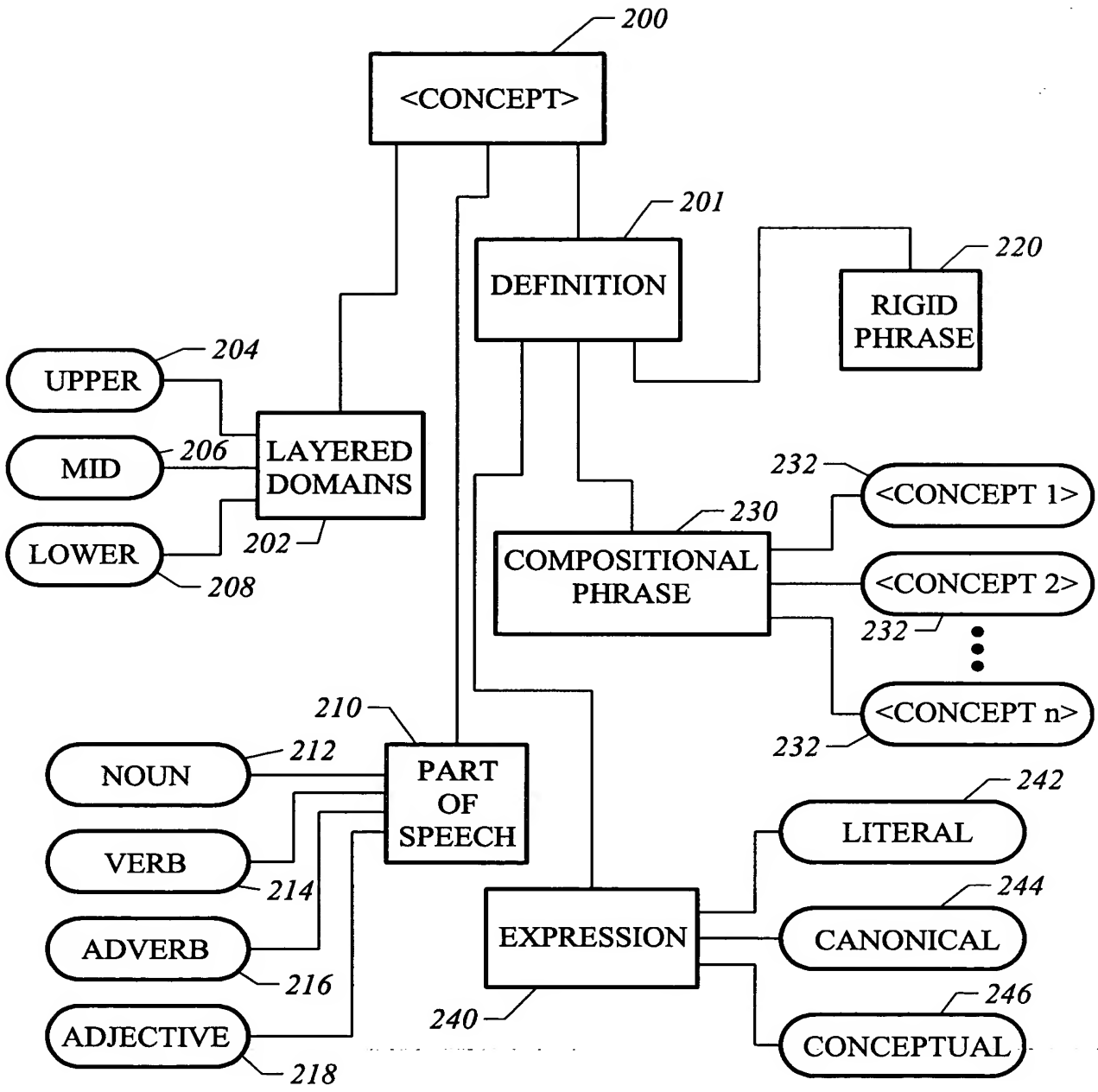
200
<CONCEPT>
201
DEFINITION
220
RIGID PHRASE
204
UPPER
206
MID
LOWER
208
LAYERED DOMAINS
202
232
<CONCEPT 1>
230
COMPOSITIONAL PHRASE
<CONCEPT 2>
232
<CONCEPT n>
232
210
NOUN
212
VERB
214
ADVERB
216
ADJECTIVE
218
PART OF SPEECH
242
LITERAL
244
CANONICAL
246
CONCEPTUAL
EXPRESSION
240

FIG. 2

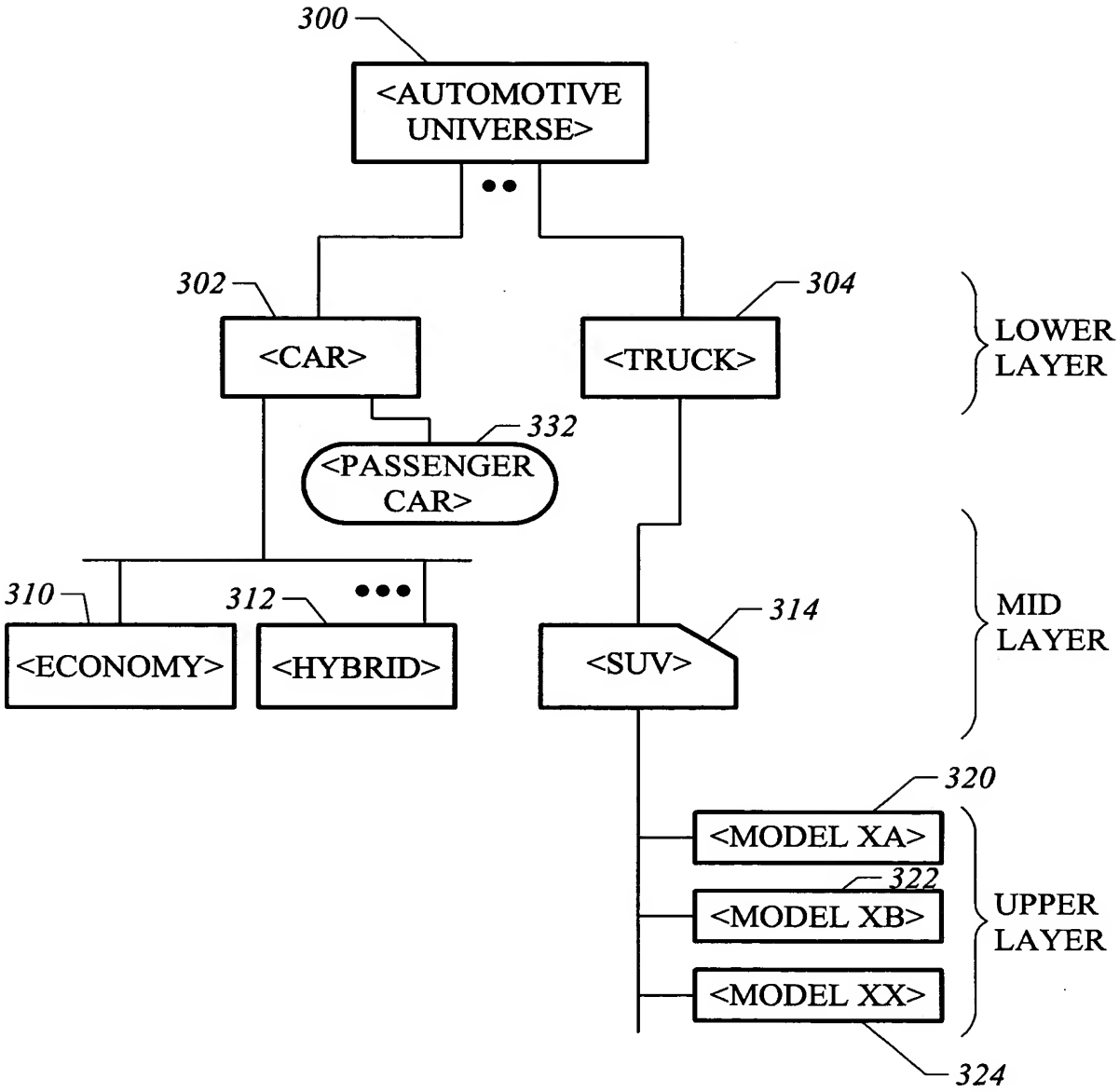
300
<AUTOMOTIVE UNIVERSE>
302
<CAR>
304
<TRUCK>
LOWER LAYER
332
<PASSENGER CAR>
310
<ECONOMY>
312
<HYBRID>
314
<SUV>
MID LAYER
320
<MODEL XA>
322
<MODEL XB>
<MODEL XX>
UPPER LAYER
324

FIG. 3

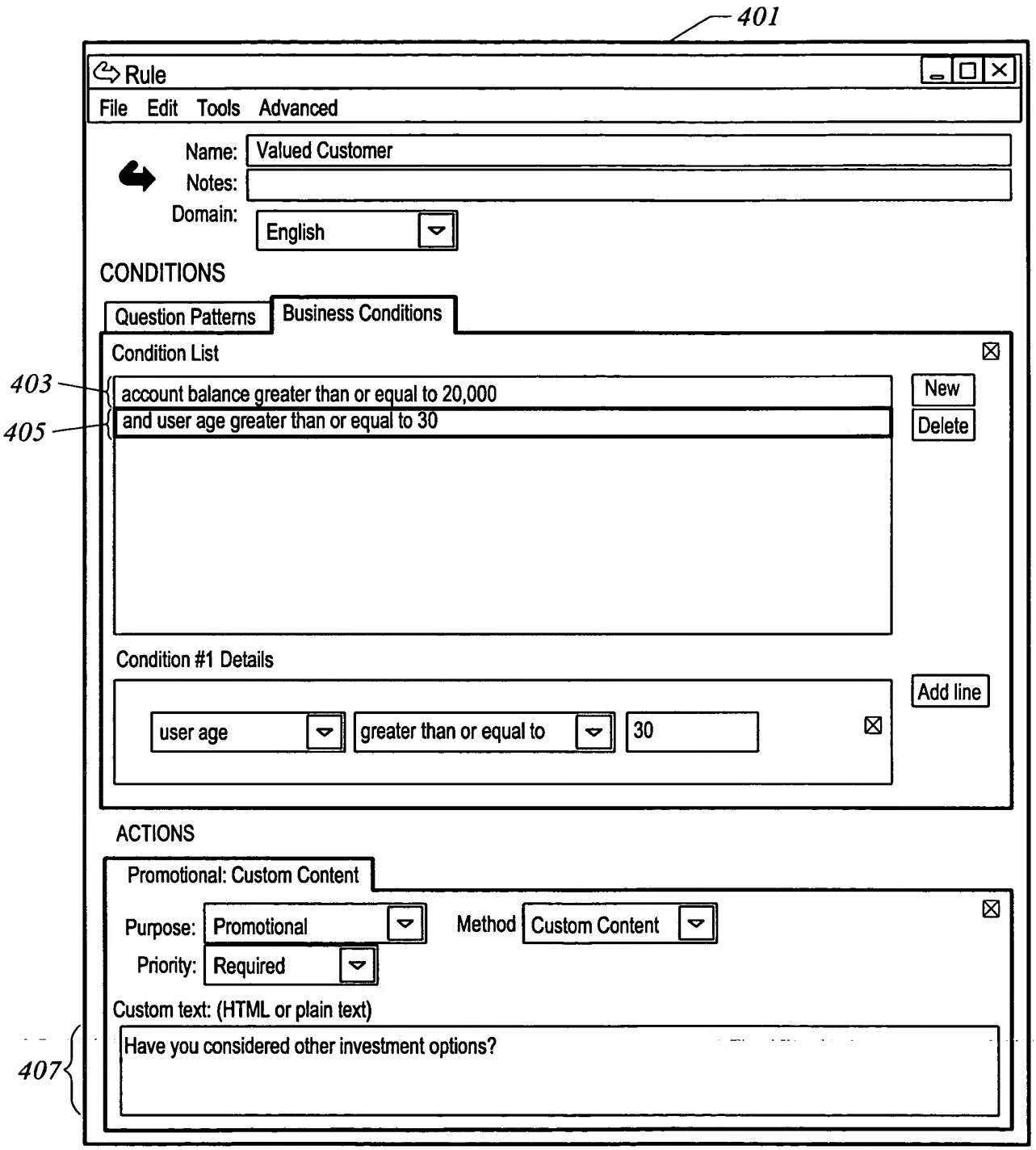
401
Rule
File Edit Tools Advanced
Name: Valued Customer
Notes:
Domain: English
CONDITIONS
Question Patterns
Business Conditions
Condition List
403
account balance greater than or equal to 20,000
405
and user age greater than or equal to 30
New
Delete
Condition #1 Details
user age
greater than or equal to
30
Add line
ACTIONS
Promotional: Custom Content
Purpose: Promotional
Method Custom Content
Priority: Required
Custom text: (HTML or plain text)
407
Have you considered other investment options?

FIG. 4A

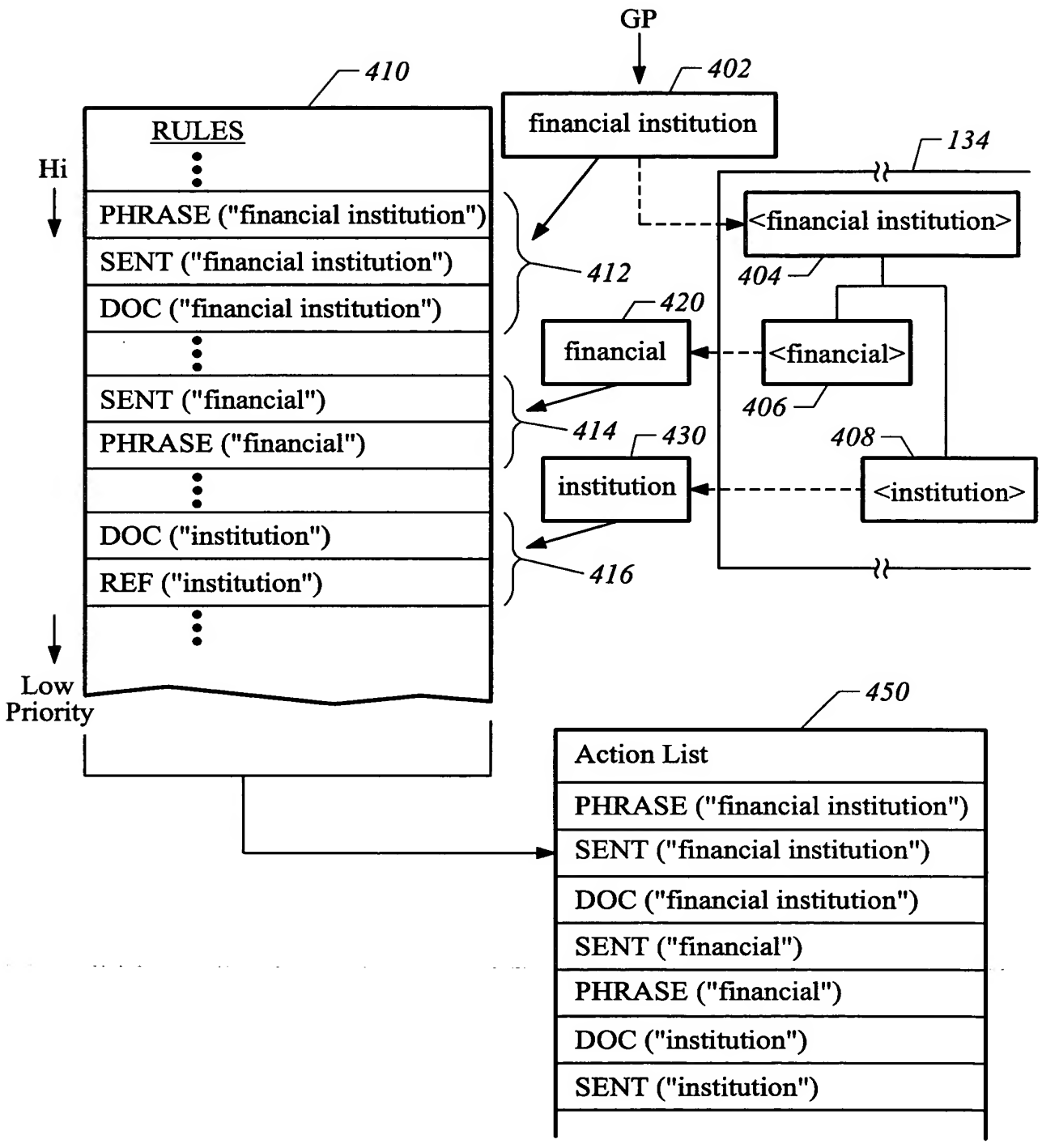
GP
410
402
RULES
financial institution
134
Hi
PHRASE ("financial institution")
SENT ("financial institution")
DOC ("financial institution")
<financial institution>
412
404
420
financial
<financial>
SENT ("financial")
PHRASE ("financial")
406
414
430
408
institution
<institution>
DOC ("institution")
REF ("institution")
416
Low Priority
450
Action List
PHRASE ("financial institution")
SENT ("financial institution")
DOC ("financial institution")
SENT ("financial")
PHRASE ("financial")
DOC ("institution")
SENT ("institution")

FIG. 4B

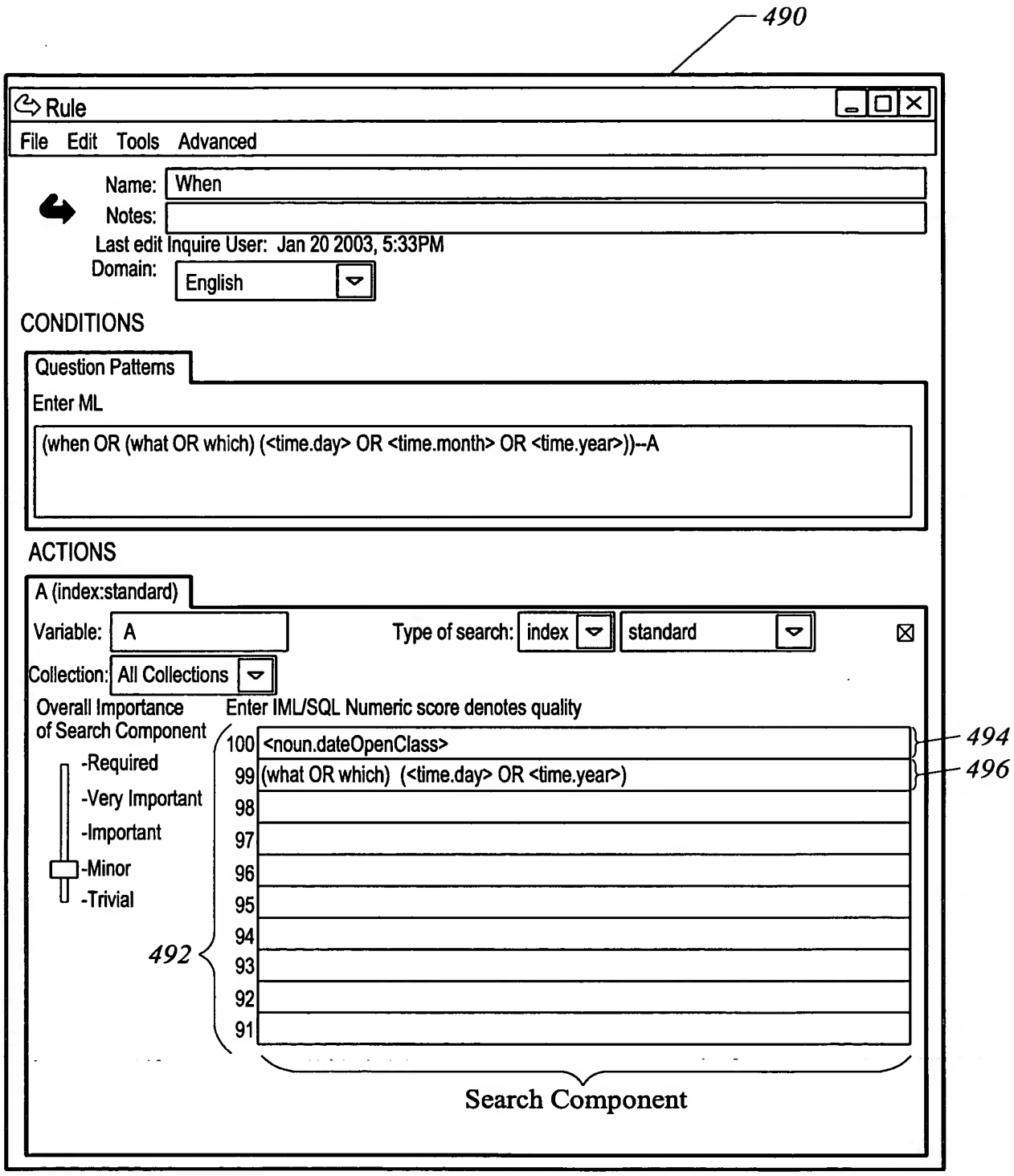
490
Rule
File Edit Tools Advanced
Name: When
Notes:
Last edit Inquire User: Jan 20 2003, 5:33PM
Domain: English
CONDITIONS
Question Patterns
Enter ML
(when OR (what OR which) (<time.day> OR <time.month> OR <time.year>))--A
ACTIONS
A (index:standard)
Variable: A
Type of search: index standard
Collection: All Collections
Overall Importance of Search Component
-Required
-Very Important
-Important
-Minor
-Trivial
Enter IML/SQL Numeric score denotes quality
100 <noun.dateOpenClass>
99 (what OR which) (<time.day> OR <time.year>)
98
97
96
95
94
93
92
91
492
494
496
Search Component

FIG. 4C

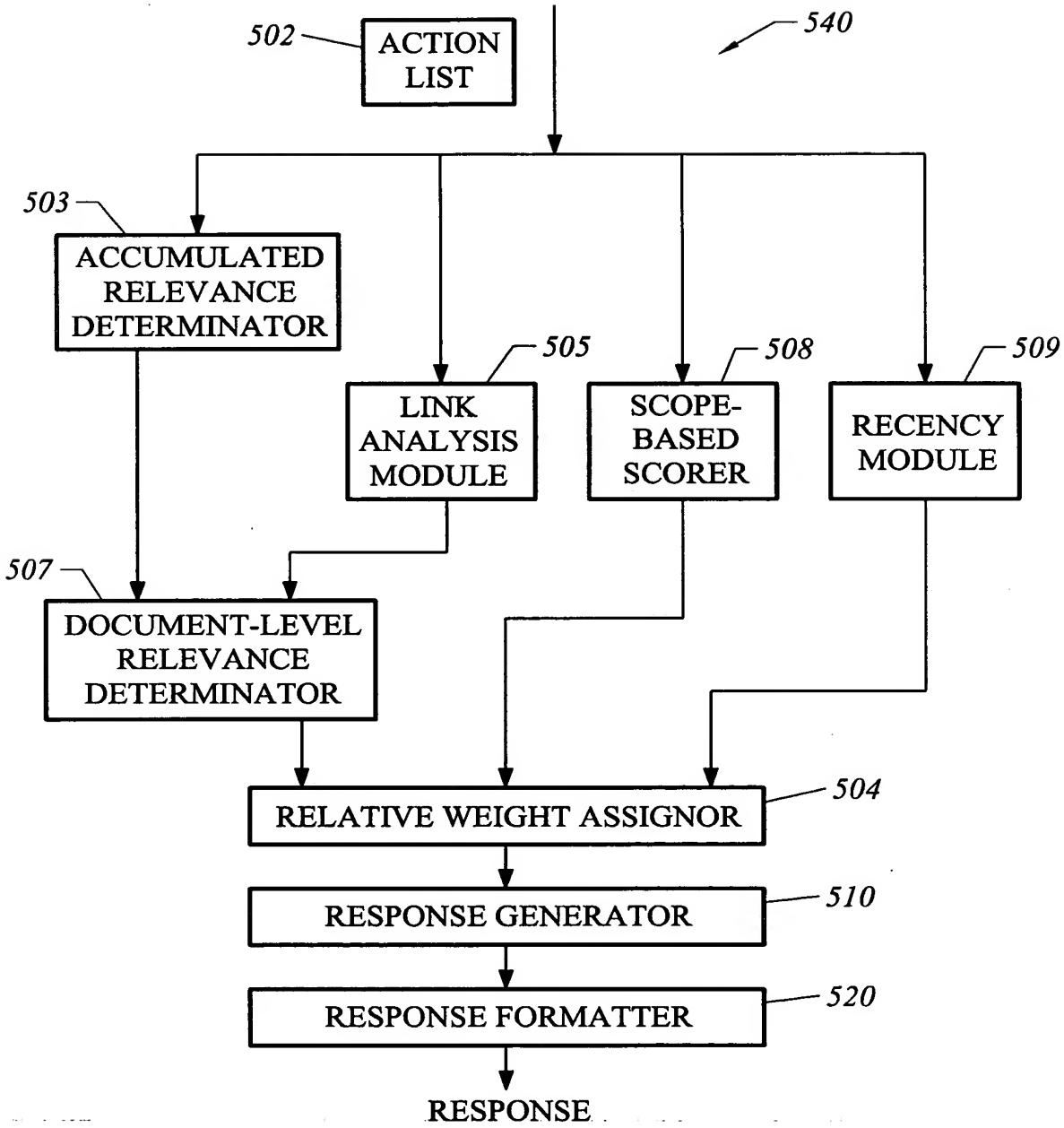
502
ACTION LIST
540
503
ACCUMULATED RELEVANCE DETERMINATOR
505
LINK ANALYSIS MODULE
508
SCOPE-BASED SCORER
509
RECENCY MODULE
507
DOCUMENT-LEVEL RELEVANCE DETERMINATOR
504
RELATIVE WEIGHT ASSIGNOR
510
RESPONSE GENERATOR
520
RESPONSE FORMATTER
RESPONSE

FIG. 5

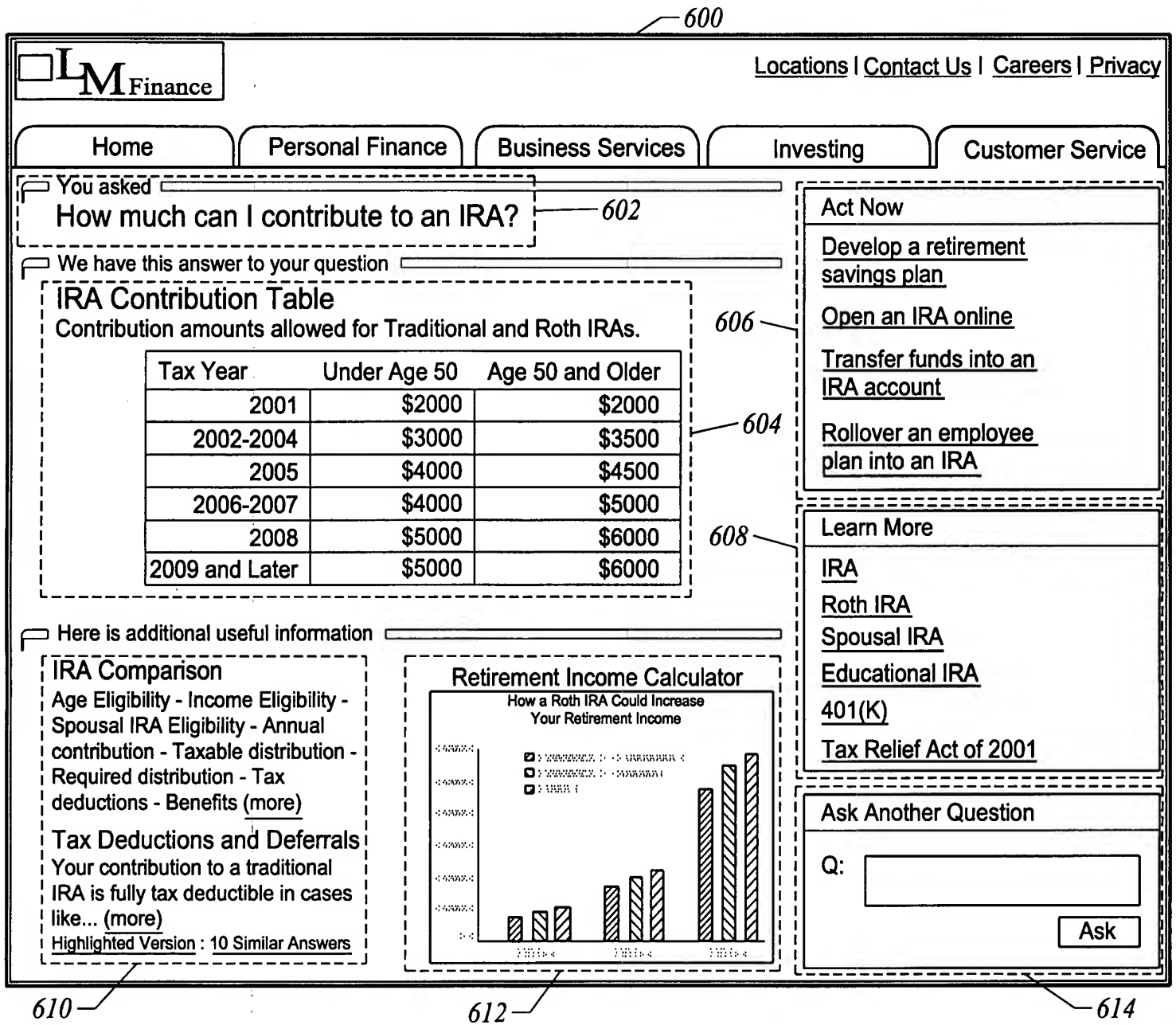
600
LM Finance
Locations | Contact Us | Careers | Privacy
Home
Personal Finance
Business Services
Investing
Customer Service
You asked
How much can I contribute to an IRA?
602
We have this answer to your question
IRA Contribution Table
Contribution amounts allowed for Traditional and Roth IRAs.
606
Tax Year | Under Age 50 | Age 50 and Older
2001 | $2000 | $2000
2002-2004 | $3000 | $3500
2005 | $4000 | $4500
2006-2007 | $4000 | $5000
2008 | $5000 | $6000
2009 and Later | $5000 | $6000
604
Act Now
Develop a retirement savings plan
Open an IRA online
Transfer funds into an IRA account
Rollover an employee plan into an IRA
608
Learn More
IRA
Roth IRA
Spousal IRA
Educational IRA
401(K)
Tax Relief Act of 2001
Here is additional useful information
IRA Comparison
Age Eligibility - Income Eligibility - Spousal IRA Eligibility - Annual contribution - Taxable distribution - Required distribution - Tax deductions - Benefits (more)
Tax Deductions and Deferrals
Your contribution to a traditional IRA is fully tax deductible in cases like... (more)
Highlighted Version : 10 Similar Answers
610
Retirement Income Calculator
How a Roth IRA Could Increase Your Retirement Income
612
Ask Another Question
Q:
Ask
614

FIG. 6

9/11

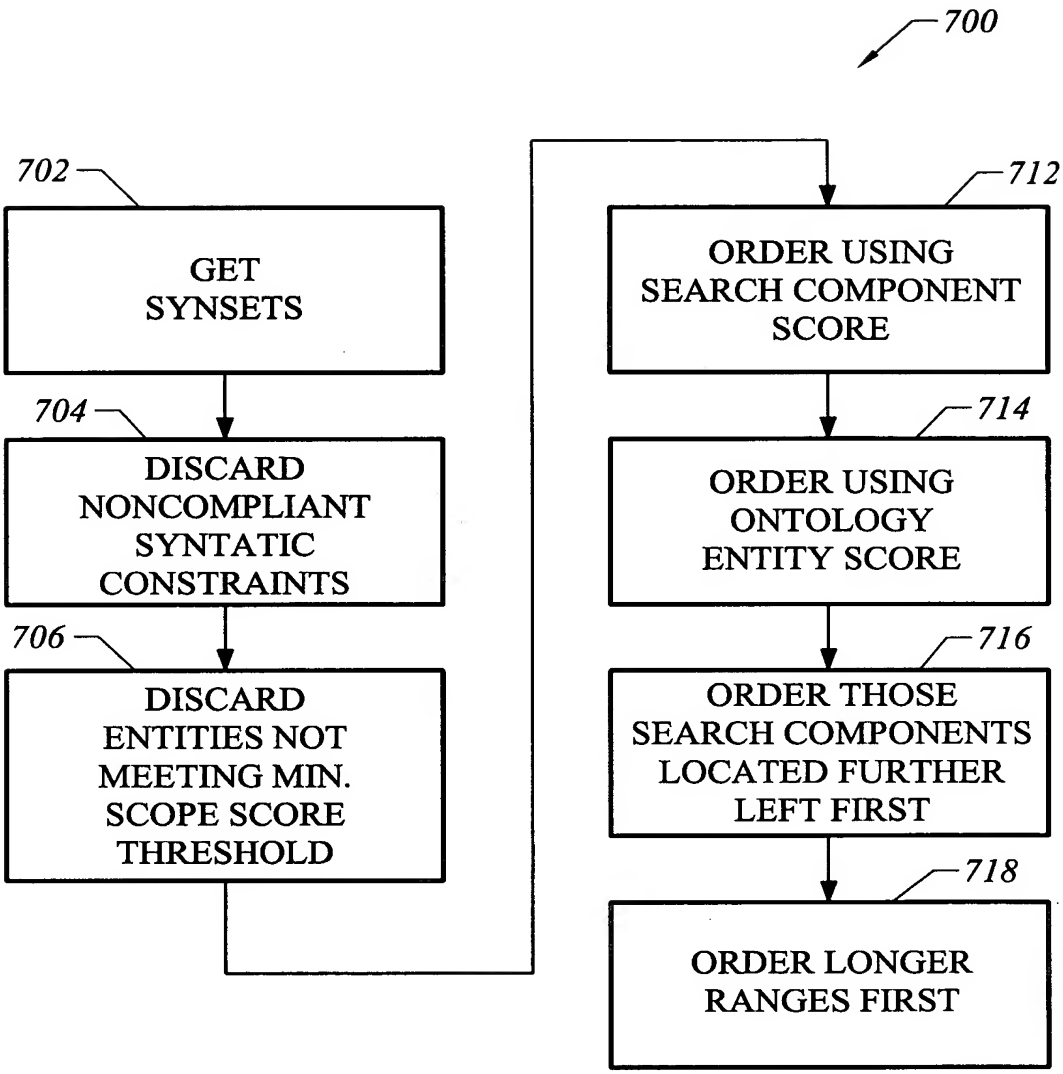
700
702
GET SYNSETS
704
DISCARD NONCOMPLIANT SYNTATIC CONSTRAINTS
706
DISCARD ENTITIES NOT MEETING MIN. SCOPE SCORE THRESHOLD
712
ORDER USING SEARCH COMPONENT SCORE
714
ORDER USING ONTOLOGY ENTITY SCORE
716
ORDER THOSE SEARCH COMPONENTS LOCATED FURTHER LEFT FIRST
718
ORDER LONGER RANGES FIRST

FIG. 7

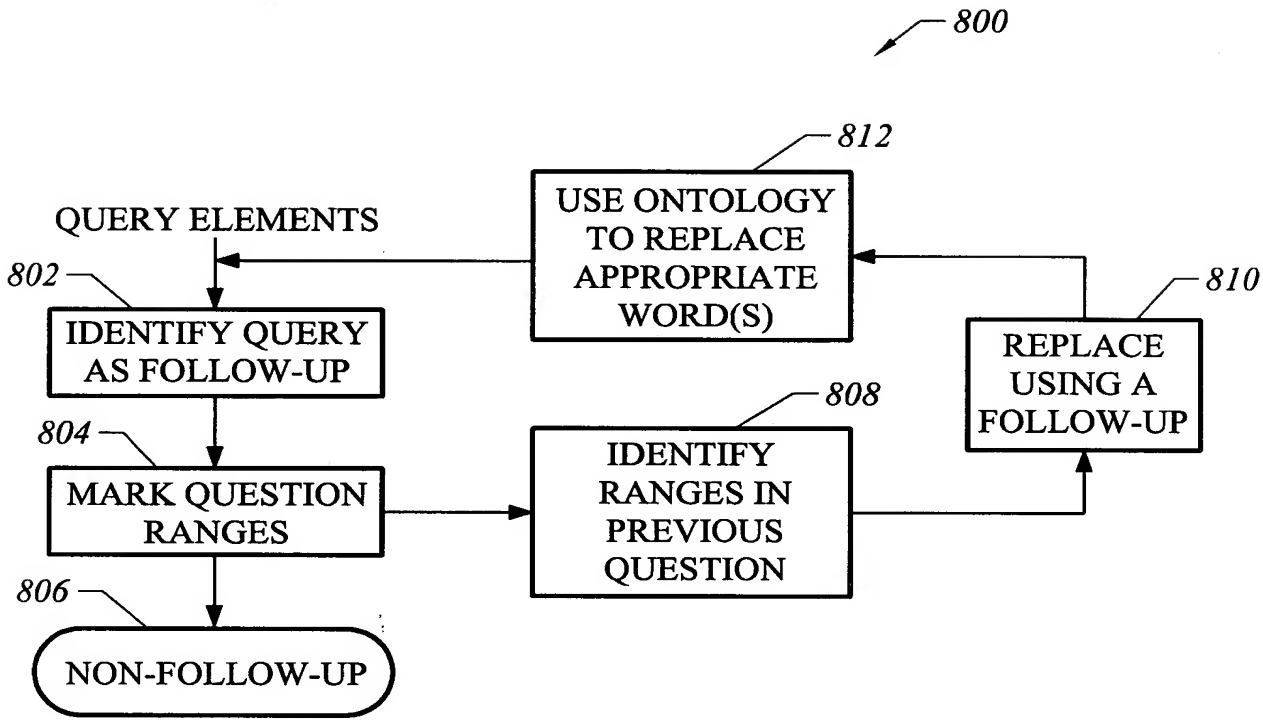
800
812
USE ONTOLOGY TO REPLACE APPROPRIATE WORD(S)
QUERY ELEMENTS
802
IDENTIFY QUERY AS FOLLOW-UP
804
MARK QUESTION RANGES
806
NON-FOLLOW-UP
808
IDENTIFY RANGES IN PREVIOUS QUESTION
810
REPLACE USING A FOLLOW-UP

FIG. 8